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The Solid State Characterization of Pharmaceuticals and the Development of Dosage Forms

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Message from the Guest Editors

The characterization of solid-state properties at an early stage, using appropriate analytical methodologies, is a prerequisite in the development of solid dosage forms both from scientific and regulatory points of view. In the pre-formulation studies of new solid dosage forms, it is essential to have readily available knowledge of the physicochemical properties of the active component and excipients. Also, new technologies are emerging for the improvement of dissolution/solubility characteristics, mainly for BCS class II drugs, and the resulting product needs to be well characterized. The major purpose of this Special Issue is to provide new research involving relevant topics related to the physicochemical characterization of pharmaceutical solids and the development of new dosage forms. This Special Issue will consider the following:

- Solid-state characterization;
- Pharmaceutical materials selection and characterization;
- Thermal analysis applied in drug development;
- Pharmaceutical formulation development;
- Pharmaceutical dosage forms;
- New materials for coating of solid forms;
- Novel drug delivery technologies.



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Special Issue



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